

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P148958

Luminaire Tested: **TLM-E04-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148958
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E04-LED-E1-RW-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

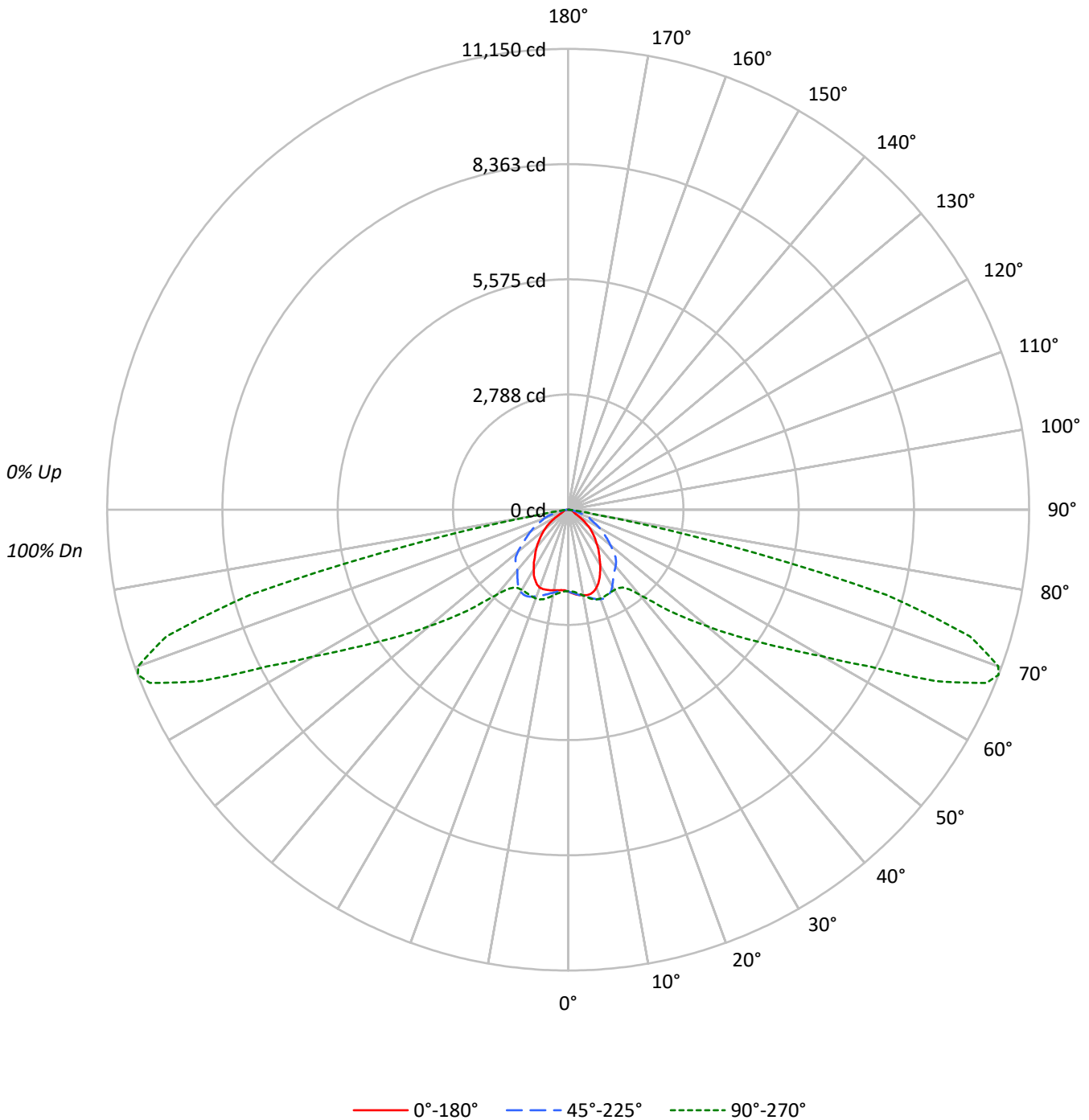
Lumens per Lamp: N/A
Luminaire Lumens: 10546.3 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	31747	31747	31747
5°	33157	32322	31486
10°	34292	34403	32328
15°	35076	37228	33353
20°	34226	39074	34303
25°	31936	40035	33373
30°	28746	41563	30876
35°	25535	45046	27610
40°	22516	56050	24875
45°	19687	78543	21732
50°	16566	109494	18648
55°	11946	155391	14657
60°	7123	227540	8749
65°	6417	372814	6417
70°	6553	519925	6661
75°	6983	494830	7337
80°	7078	63717	7707
85°	4571	15963	6433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.8	1.8
10°-20°	611.5	5.8
20°-30°	990.6	9.4
30°-40°	1234.6	11.7
40°-50°	1542.7	14.6
50°-60°	1905.0	18.1
60°-70°	2367.0	22.4
70°-80°	1571.4	14.9
80°-90°	129.7	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1795.9	17.0
0°-40°	3030.5	28.7
0°-60°	6478.2	61.4
0°-90°	10546.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10546.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1976	1976	1976	1976	1976	
5°	2056	2044	2004	1973	1952	197
15°	2109	2217	2238	2128	2005	590
25°	1802	2294	2258	2316	1883	823
35°	1302	1918	2297	2134	1408	816
45°	866	1615	3457	1803	956	668
55°	426	1093	5548	1281	523	380
65°	169	634	9807	806	169	170
75°	112	250	7972	325	118	118
85°	25	47	87	62	35	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1
2.5°	2021.1	2027.8	2021.1	2021.1	2015.5	2009.8	2006.4	1998.6	1994.1	1991.8	1991.8
5°	2056.0	2054.8	2056.0	2056.0	2050.3	2043.6	2039.1	2032.3	2025.6	2024.5	2023.3
7.5°	2081.8	2080.7	2084.1	2090.8	2087.5	2081.8	2081.8	2075.1	2070.6	2070.6	2068.3
10°	2102.1	2103.2	2110.0	2120.1	2122.4	2121.2	2129.1	2126.9	2124.6	2126.9	2124.6
12.5°	2115.6	2116.7	2125.7	2144.9	2157.2	2165.1	2185.4	2186.5	2187.6	2187.6	2187.6
15°	2108.9	2108.9	2126.9	2162.9	2193.3	2216.9	2242.8	2247.3	2242.8	2246.1	2243.9
17.5°	2069.5	2071.7	2101.0	2156.1	2218.0	2269.8	2297.9	2290.0	2282.2	2282.2	2278.8
20°	2001.9	2006.4	2045.8	2123.5	2221.4	2303.5	2347.4	2321.5	2300.2	2296.8	2293.4
22.5°	1918.7	1915.3	1962.6	2060.5	2195.5	2318.2	2377.8	2346.3	2308.0	2300.2	2294.5
25°	1801.6	1803.9	1853.4	1962.6	2130.2	2294.5	2386.8	2371.1	2326.0	2315.9	2303.5
27.5°	1673.4	1679.0	1731.9	1843.3	2029.0	2236.0	2376.7	2395.8	2360.9	2349.7	2338.4
30°	1549.6	1552.9	1612.6	1731.9	1904.0	2132.5	2349.7	2422.8	2404.8	2395.8	2385.7
32.5°	1417.9	1429.2	1480.9	1616.0	1805.0	2018.8	2308.0	2450.9	2457.7	2452.1	2446.4
35°	1302.0	1311.0	1369.5	1511.3	1709.4	1917.5	2257.4	2481.3	2527.5	2526.3	2525.2
37.5°	1197.3	1199.6	1261.5	1405.5	1614.8	1846.7	2204.5	2530.8	2613.0	2624.2	2637.8
40°	1073.6	1084.8	1149.0	1304.2	1521.4	1785.9	2159.5	2597.2	2732.3	2757.0	2776.2
42.5°	974.5	974.5	1031.9	1186.1	1411.2	1716.1	2143.7	2680.5	2874.1	2907.8	2941.6
45°	866.5	869.9	925.0	1065.7	1285.1	1614.8	2141.5	2772.8	3032.7	3081.1	3122.8
47.5°	764.1	766.3	824.9	961.0	1154.6	1475.3	2113.4	2875.2	3199.3	3269.1	3315.2
50°	662.8	659.4	715.7	854.1	1038.7	1331.3	2023.3	3008.0	3406.3	3476.1	3529.0
52.5°	537.9	546.9	607.7	739.3	925.0	1208.6	1839.9	3138.5	3620.2	3698.9	3771.0
55°	426.5	425.4	494.0	613.3	802.4	1092.7	1622.7	3230.8	3828.3	3919.5	3999.4
57.5°	306.1	309.5	368.0	486.1	675.2	989.2	1458.4	3215.0	3989.3	4097.3	4198.6
60°	221.7	228.4	272.3	359.0	539.0	869.9	1343.6	3032.7	4099.5	4247.0	4369.6
62.5°	186.8	192.4	230.7	278.0	416.4	745.0	1232.2	2740.2	4242.5	4437.1	4614.9
65°	168.8	173.3	211.6	238.6	319.6	633.6	1162.5	2533.1	4430.4	4726.3	4969.4
67.5°	151.9	158.7	192.4	212.7	271.2	566.0	1142.2	2501.6	4466.4	4858.0	5203.5
69°	144.0	150.8	181.2	199.2	255.4	544.7	1103.9	2387.9	4231.2	4652.1	5039.2
70°	139.5	145.2	172.2	191.3	250.9	524.4	1049.9	2221.4	3981.4	4405.6	4822.0
72.5°	128.3	131.7	154.2	173.3	230.7	402.9	795.6	1604.7	2972.0	3391.7	3800.2
75°	112.5	115.9	136.2	155.3	178.9	249.8	482.8	952.0	1824.1	2106.6	2516.2
77.5°	96.8	100.2	117.0	146.3	141.8	163.2	294.8	569.4	956.5	1097.2	1359.4
80°	76.5	81.0	97.9	140.7	118.2	129.4	216.1	420.9	581.8	640.3	709.0
82.5°	54.0	56.3	74.3	112.5	88.9	97.9	162.0	350.0	467.0	509.8	530.0
85°	24.8	25.9	43.9	66.4	52.9	47.3	86.6	223.9	309.5	321.8	339.8
87.5°	0.0	0.0	4.5	4.5	9.0	5.6	10.1	28.1	47.3	47.3	57.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1
2.5°	1992.9	1991.8	1992.9	1992.9	1994.1	1989.6	1988.4	1987.3	1986.2	1987.3	1985.1
5°	2023.3	2022.2	2022.2	2023.3	2022.2	2018.8	2017.7	2017.7	2014.3	2013.2	2013.2
7.5°	2069.5	2067.2	2063.8	2066.1	2067.2	2066.1	2067.2	2063.8	2063.8	2060.5	2061.6
10°	2126.9	2124.6	2123.5	2125.7	2126.9	2125.7	2126.9	2122.4	2121.2	2120.1	2117.9
12.5°	2189.9	2185.4	2188.7	2188.7	2189.9	2194.4	2188.7	2191.0	2186.5	2186.5	2185.4
15°	2245.0	2243.9	2246.1	2246.1	2245.0	2248.4	2247.3	2248.4	2242.8	2240.5	2246.1
17.5°	2279.9	2276.5	2277.7	2276.5	2276.5	2276.5	2278.8	2278.8	2275.4	2274.3	2276.5
20°	2288.9	2283.3	2282.2	2281.0	2278.8	2278.8	2279.9	2277.7	2275.4	2273.1	2275.4
22.5°	2286.7	2279.9	2273.1	2269.8	2266.4	2261.9	2260.8	2258.5	2255.1	2255.1	2256.3
25°	2294.5	2282.2	2272.0	2265.3	2256.3	2250.6	2246.1	2240.5	2234.9	2231.5	2232.6
27.5°	2321.5	2308.0	2294.5	2281.0	2267.5	2256.3	2247.3	2237.1	2228.1	2221.4	2218.0
30°	2372.2	2354.2	2338.4	2322.7	2305.8	2290.0	2275.4	2259.6	2242.8	2232.6	2223.6
32.5°	2430.7	2418.3	2408.2	2390.2	2372.2	2353.0	2335.0	2321.5	2296.8	2277.7	2261.9
35°	2519.6	2515.1	2509.5	2496.0	2475.7	2465.6	2450.9	2429.6	2400.3	2383.4	2359.8
37.5°	2642.3	2643.4	2638.9	2633.3	2635.5	2616.4	2607.4	2605.1	2575.9	2564.6	2529.7
40°	2793.0	2809.9	2824.6	2824.6	2835.8	2836.9	2834.7	2853.8	2832.4	2836.9	2799.8
42.5°	2960.7	3001.2	3023.7	3040.6	3077.8	3094.6	3122.8	3164.4	3166.7	3188.0	3190.3
45°	3158.8	3203.8	3246.6	3290.4	3340.0	3398.5	3457.0	3499.7	3567.3	3581.9	3630.3
47.5°	3364.7	3430.0	3479.5	3535.8	3620.2	3695.6	3782.2	3870.0	3947.6	4002.8	4034.3
50°	3592.0	3658.4	3730.4	3793.5	3883.5	3989.3	4109.7	4230.1	4330.2	4428.1	4506.9
52.5°	3844.1	3917.2	3984.8	4066.9	4158.1	4284.1	4415.8	4581.2	4715.1	4849.0	4945.8
55°	4086.0	4168.2	4230.1	4334.7	4429.3	4558.7	4721.8	4917.7	5103.3	5265.4	5397.0
57.5°	4296.5	4377.5	4464.1	4554.2	4669.0	4798.4	4998.7	5221.5	5433.1	5645.7	5840.4
60°	4493.4	4602.6	4697.1	4816.4	4931.2	5080.8	5319.4	5595.1	5884.3	6148.8	6343.4
62.5°	4790.5	4930.0	5041.4	5188.9	5348.7	5525.3	5788.7	6092.5	6469.5	6810.4	7113.2
65°	5205.7	5419.5	5599.6	5780.8	5975.5	6218.5	6503.2	6889.2	7305.6	7809.7	8209.2
67.5°	5501.7	5769.5	6002.5	6229.8	6453.7	6722.7	7074.9	7527.3	8066.3	8596.3	9103.8
69°	5382.4	5666.0	5924.8	6151.0	6387.3	6656.3	6999.5	7495.8	8044.9	8627.8	9130.9
70°	5131.5	5437.6	5714.4	5930.4	6172.4	6439.1	6818.3	7292.1	7852.5	8455.7	8948.6
72.5°	4126.6	4449.5	4723.0	4962.7	5215.9	5528.7	5866.3	6320.9	6942.1	7532.9	7971.8
75°	2842.6	3144.1	3453.6	3632.5	3922.9	4145.7	4466.4	4932.3	5451.1	5885.4	6291.7
77.5°	1608.1	1770.1	2004.2	2077.3	2285.5	2434.1	2604.0	2891.0	3161.0	3413.1	3486.2
80°	731.5	683.1	706.7	670.7	710.1	685.3	657.2	672.9	669.6	720.2	672.9
82.5°	526.7	454.6	378.1	326.3	287.0	243.1	207.1	185.7	183.4	192.4	189.1
85°	336.5	307.2	240.8	193.6	148.5	114.8	95.7	86.6	86.6	92.3	91.2
87.5°	58.5	50.6	31.5	27.0	23.6	15.8	10.1	10.1	9.0	11.3	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1
2.5°	1985.1	1983.9	1981.7	1980.6	1980.6	1978.3	1977.2	1979.4	1980.6	1981.7	1978.3
5°	2013.2	2009.8	2008.7	2009.8	2004.2	2005.3	2004.2	2005.3	2005.3	2005.3	2003.1
7.5°	2058.2	2054.8	2057.1	2054.8	2051.5	2050.3	2050.3	2047.0	2042.5	2041.3	2042.5
10°	2120.1	2115.6	2116.7	2117.9	2114.5	2112.2	2108.9	2104.4	2104.4	2103.2	2101.0
12.5°	2186.5	2184.2	2184.2	2185.4	2184.2	2179.7	2175.2	2173.0	2171.9	2171.9	2171.9
15°	2243.9	2242.8	2243.9	2242.8	2242.8	2240.5	2238.3	2234.9	2233.8	2234.9	2236.0
17.5°	2276.5	2273.1	2276.5	2277.7	2276.5	2276.5	2276.5	2274.3	2273.1	2273.1	2274.3
20°	2278.8	2276.5	2278.8	2282.2	2282.2	2283.3	2285.5	2286.7	2285.5	2287.8	2288.9
22.5°	2256.3	2256.3	2259.6	2263.0	2268.6	2270.9	2275.4	2277.7	2279.9	2283.3	2285.5
25°	2233.8	2232.6	2236.0	2242.8	2247.3	2252.9	2258.5	2263.0	2267.5	2272.0	2276.5
27.5°	2218.0	2216.9	2219.1	2224.8	2230.4	2237.1	2246.1	2252.9	2258.5	2264.1	2267.5
30°	2219.1	2214.6	2213.5	2218.0	2223.6	2231.5	2240.5	2248.4	2256.3	2260.8	2264.1
32.5°	2251.8	2240.5	2236.0	2234.9	2237.1	2242.8	2249.5	2257.4	2263.0	2267.5	2268.6
35°	2336.2	2314.8	2310.3	2295.7	2297.9	2296.8	2296.8	2301.3	2305.8	2305.8	2297.9
37.5°	2507.2	2476.8	2455.5	2440.8	2426.2	2425.1	2422.8	2420.6	2409.3	2402.6	2401.4
40°	2773.9	2761.5	2721.0	2709.8	2685.0	2668.1	2672.6	2663.6	2636.6	2626.5	2622.0
42.5°	3163.3	3170.0	3147.5	3094.6	3073.3	3040.6	3013.6	3009.1	2984.4	2964.1	2948.3
45°	3620.2	3632.5	3615.7	3577.4	3539.1	3489.6	3457.0	3394.0	3369.2	3337.7	3316.3
47.5°	4089.4	4123.2	4096.2	4062.4	4041.0	3963.4	3895.9	3822.7	3785.6	3740.6	3720.3
50°	4555.3	4614.9	4599.2	4567.7	4544.0	4446.1	4380.9	4279.6	4258.2	4213.2	4188.4
52.5°	5021.2	5079.7	5114.6	5085.3	5068.4	4989.7	4944.7	4863.6	4802.9	4774.7	4773.6
55°	5491.6	5586.1	5641.2	5631.1	5603.0	5592.8	5547.8	5540.0	5492.7	5462.3	5421.8
57.5°	5951.8	6052.0	6147.6	6203.9	6227.5	6219.7	6241.0	6238.8	6245.5	6242.2	6175.8
60°	6537.0	6695.7	6835.2	6924.1	7008.5	7067.0	7081.6	7168.3	7143.5	7197.6	7094.0
62.5°	7363.0	7568.9	7780.5	7873.9	7977.4	8167.6	8212.6	8315.0	8330.8	8344.3	8289.1
65°	8514.2	8784.3	9103.8	9246.8	9408.8	9653.0	9807.2	9916.3	9913.0	9838.7	9767.8
67.5°	9496.6	9816.2	10109.9	10358.6	10600.5	10790.7	10952.8	11100.2	11108.0	11061.9	10940.4
69°	9581.0	9915.2	10234.8	10534.1	10773.8	10985.4	11149.7	11264.5	11289.2	11248.7	11136.2
70°	9424.6	9762.2	10109.9	10396.8	10668.0	10892.0	11068.7	11178.9	11212.7	11171.1	11065.3
72.5°	8462.4	8789.9	9049.8	9387.4	9773.4	9914.1	10186.4	10276.4	10359.7	10304.6	10241.5
75°	6629.3	6937.6	7206.6	7382.1	7558.8	7906.5	7971.8	8140.6	8198.0	8143.9	8213.7
77.5°	3453.6	3661.8	3751.8	3611.2	3632.5	3907.1	3751.8	3934.1	4038.8	4069.2	4113.0
80°	660.6	694.3	720.2	711.2	720.2	740.5	688.7	660.6	697.7	689.8	689.8
82.5°	194.7	191.3	191.3	201.4	200.3	204.8	204.8	196.9	202.6	202.6	203.7
85°	88.9	84.4	83.3	84.4	83.3	83.3	86.6	86.6	93.4	87.8	88.9
87.5°	11.3	10.1	11.3	11.3	9.0	9.0	10.1	11.3	11.3	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1	1976.1
2.5°	1977.2	1976.1	1976.1	1976.1	1974.9	1973.8	1972.7	1969.3	1965.9	1964.8	1959.2
5°	1998.6	1999.7	1997.4	1995.2	1995.2	1995.2	1991.8	1982.8	1976.1	1972.7	1964.8
7.5°	2043.6	2041.3	2038.0	2036.8	2034.6	2035.7	2029.0	2017.7	2005.3	1997.4	1985.1
10°	2103.2	2101.0	2098.7	2096.5	2093.1	2093.1	2085.2	2068.3	2049.2	2035.7	2013.2
12.5°	2173.0	2170.7	2168.5	2167.4	2161.7	2160.6	2149.4	2129.1	2104.4	2078.5	2045.8
15°	2237.1	2233.8	2232.6	2229.3	2225.9	2224.8	2214.6	2187.6	2157.2	2128.0	2085.2
17.5°	2277.7	2275.4	2272.0	2269.8	2268.6	2267.5	2252.9	2230.4	2206.8	2177.5	2125.7
20°	2291.2	2292.3	2290.0	2287.8	2284.4	2282.2	2268.6	2247.3	2242.8	2227.0	2174.1
22.5°	2288.9	2288.9	2287.8	2283.3	2281.0	2275.4	2256.3	2246.1	2270.9	2277.7	2210.1
25°	2279.9	2278.8	2275.4	2272.0	2265.3	2257.4	2228.1	2233.8	2303.5	2315.9	2218.0
27.5°	2269.8	2268.6	2263.0	2255.1	2245.0	2233.8	2196.6	2233.8	2333.9	2323.8	2185.4
30°	2264.1	2259.6	2251.8	2240.5	2227.0	2214.6	2174.1	2263.0	2355.3	2296.8	2095.3
32.5°	2265.3	2257.4	2246.1	2231.5	2215.8	2201.1	2173.0	2314.8	2363.2	2231.5	1968.2
35°	2292.3	2279.9	2265.3	2250.6	2234.9	2221.4	2223.6	2386.8	2362.0	2133.6	1845.5
37.5°	2390.2	2368.8	2358.7	2342.9	2320.4	2309.2	2354.2	2466.7	2346.3	2014.3	1737.5
40°	2606.2	2588.2	2573.6	2533.1	2541.0	2532.0	2574.7	2575.9	2326.0	1914.2	1647.5
42.5°	2921.3	2921.3	2889.8	2884.2	2862.8	2872.9	2892.1	2704.1	2305.8	1854.5	1558.6
45°	3292.7	3320.8	3308.4	3305.1	3321.9	3342.2	3254.4	2856.1	2306.9	1802.8	1455.0
47.5°	3733.8	3757.4	3769.8	3790.1	3811.5	3799.1	3617.9	3015.9	2327.2	1728.5	1322.3
50°	4203.1	4260.5	4278.5	4304.4	4323.5	4326.9	3962.3	3180.2	2348.5	1592.3	1178.2
52.5°	4784.9	4838.9	4858.0	4876.0	4861.4	4849.0	4299.9	3374.8	2331.7	1430.3	1055.6
55°	5469.1	5479.2	5475.8	5453.3	5440.9	5373.4	4612.7	3581.9	2200.0	1280.6	938.5
57.5°	6181.4	6185.9	6145.4	6066.6	5975.5	5911.3	4913.2	3752.9	1920.9	1160.2	822.6
60°	7098.5	7006.3	6937.6	6817.2	6668.7	6531.4	5235.0	3848.6	1654.2	1044.3	692.1
62.5°	8205.8	8021.3	7872.7	7751.2	7531.8	7289.8	5645.7	3861.0	1492.2	934.0	543.5
65°	9639.5	9444.8	9191.6	8983.4	8746.0	8419.7	6308.6	3772.1	1412.3	805.7	397.2
67.5°	10768.2	10571.3	10287.7	10054.7	9748.7	9368.3	6857.7	3616.8	1393.1	689.8	312.8
69°	10965.1	10750.2	10494.7	10203.3	9878.1	9471.8	6879.1	3436.7	1363.9	645.9	287.0
70°	10893.1	10669.2	10422.7	10113.3	9748.7	9331.2	6717.0	3236.4	1305.4	621.2	278.0
72.5°	10085.1	9744.2	9496.6	9232.1	8788.8	8365.6	5783.0	2448.7	1016.2	523.3	259.9
75°	8074.2	7782.7	7503.6	7372.0	7004.0	6645.0	4341.5	1555.2	663.9	325.2	203.7
77.5°	4116.4	4063.5	4143.4	4083.8	3818.2	3818.2	2679.4	826.0	390.5	195.8	155.3
80°	739.3	770.8	756.2	787.7	732.6	813.6	941.9	554.8	276.8	149.7	127.2
82.5°	207.1	209.3	207.1	208.2	214.9	226.2	489.5	477.1	213.8	112.5	99.0
85°	96.8	97.9	100.2	100.2	109.2	111.4	328.6	342.1	124.9	61.9	66.4
87.5°	11.3	14.6	14.6	13.5	15.8	15.8	60.8	68.6	16.9	12.4	20.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1976.1	1976.1	1976.1	1976.1
2.5°	1954.7	1950.2	1945.7	1949.1
5°	1961.4	1954.7	1949.1	1952.4
7.5°	1979.4	1968.2	1967.1	1967.1
10°	2001.9	1986.2	1981.7	1981.7
12.5°	2025.6	2004.2	1996.3	1996.3
15°	2050.3	2020.0	2008.7	2005.3
17.5°	2078.5	2035.7	2015.5	2015.5
20°	2105.5	2038.0	2007.6	2006.4
22.5°	2110.0	2012.1	1968.2	1965.9
25°	2076.2	1951.3	1893.9	1882.7
27.5°	1996.3	1856.8	1796.0	1793.8
30°	1875.9	1733.0	1671.1	1664.4
32.5°	1757.8	1605.8	1548.4	1548.4
35°	1638.5	1489.9	1415.7	1407.8
37.5°	1528.2	1367.3	1300.9	1299.7
40°	1426.9	1260.4	1196.2	1186.1
42.5°	1325.6	1147.8	1074.7	1072.4
45°	1205.2	1025.2	962.1	956.5
47.5°	1076.9	914.9	848.5	847.4
50°	961.0	812.5	746.1	746.1
52.5°	855.2	712.3	645.9	639.2
55°	736.0	598.7	531.2	523.3
57.5°	606.5	471.5	410.7	393.9
60°	469.3	343.2	281.3	272.3
62.5°	342.1	250.9	204.8	198.1
65°	257.7	213.8	175.6	168.8
67.5°	221.7	192.4	159.8	153.0
69°	205.9	182.3	153.0	146.3
70°	199.2	175.6	147.4	141.8
72.5°	183.4	160.9	135.0	132.8
75°	167.7	146.3	121.5	118.2
77.5°	162.0	127.2	104.7	102.4
80°	165.4	103.5	85.5	83.3
82.5°	135.0	83.3	66.4	63.0
85°	84.4	56.3	34.9	34.9
87.5°	21.4	18.0	10.1	10.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)